HW#11: Angle Pair Relationships

Geometry

Due Date: Friday September 20th, 2013

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

Directions: Failure to show all work and write in complete sentences will result in LaSalle!

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| 1. **Tell whether the indicated angles are adjacent.**     **b.)**  **a.)** | 2.) Name a pair of complementary angles and a pair of supplementary angles. |
| 3.) ^1 and ^ 2 are complementary angles. Given m^1, find m^2.  a.) m^1= 52 b.) m^1= 76 | 4.) ^1 and ^2 are supplementary angles. Given m^1, find m^2.  a.) m^1= 147 b.) m^1=94 |
| 5.) Name 5 angles in this picture.  C  B  A  a.)  b.)  c.)  E  d.)  D  e.) | 6.) Classify each angle as obtuse, acute, right, or straight.  a.) b.) |
| 7) Why can’t we name any of the angles in the picture ^D?  D | 8.) What type of angle is shown? What 4 names can it have?  F  1  V  a.)  G  b.)  c.)  d.) |

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| 9) Write an equation in slope-intercept form of a line that passes through the point (-5, 9) and has a  slope of | 10) Write an equation for a line parallel to  passing through (4,-5). |
| 11) Write an equation for a line parallel to x + 15 = -5y passing through (0, 4). | 12) Circle the equation of the line with the steepest slope.  x + 0.2y = -0.6  -5 + 10x = -y  0 = 3 – x – y  6x – 20 + 5y = 0 |